

HITCH HIKERS

Meet the creatures looking for a free ride

SMALL BUT MIGHTY

Little animals with a big impact



Issue 109 Spring2024

MAGAZINE

SURIAL SU

Nature's strangest noses





TOM HIBBERT Editor, Wildlife Watch

urray, spring is here! can't wait to see all of the insects appearing again. I love bees and butterflies, but the minibeasts that excite me beetles. They come in so many colours, shapes and sizes. And there are so many beetles in the UK that there's always something new to discover!

One of the biggest beetles I often see in spring is the black oil beetle. Young oil beetles have a really strange trick they ride on the backs of bees! You can learn all about this bizarre behaviour on page eight.

What wild wonders are you most looking forward to seeing this spring? Maybe it's a beautiful flower blooming in a meadow, or a bird that's flown all the way from Africa to spend the summer here. Whatever it is, I hope you get

GET IN TOUCH

Email us at: watch@wildlifetrusts.org

Ring us on: 01636 677711

Write to us at: Wildlife Watch The Kiln, Mather Road Newark, Notts, NG24 1WT

@wildlifetrusts (iii) the wild life trusts ■ WildlifeWatchUK

f wildlifetrusts

WILD THINGS

News from our Wildlife Watchers

WE DIG IT!



enry (aged 4) from Gloucestershire persuaded his grandma to help him build this fantastic hibernaculum. Hopefully it gave some reptiles and amphibians a nice place to shelter!

CONSERVATION CAFÉ

even-year-old Aila from Salisbury ran a Christmas café from a shed on her driveway. With help from her family, and friends Alice and Juliette, she raised £66 for Wiltshire Wildlife Trust. Great job. Aila!



YOUNG EXPLORERS













THIS ISSUE



Regulars

- **02** Wild Things
- **04** The Science Section
- **05 Your Photos**
- 10 Incredible Interactions A new feature on nature's connections!
- 11 Beaver Poster
- 14 Gallery
- 16 Weird Nature Weird noses
- 17 How to... Build a beetle bank
- **22** Feature Creature Shanny
- 23 How Does the Moon **Affect Tides?**
- **24** Competitions

Features

- **06** Mallards on the Move
- **08** Hitchhikers

Animals catching a ride

- 12 Small but Mighty Little creatures with a big impact
- 18 Cheep Tricks Meet the birds that love to mimic
- **20** Pioneer Plants

WILDLIFE WATCH 109

Editor: Tom Hibbert

Editorial Team: Ashleigh Carter, Gina Gavigan, Joanna Richards, Leanne Smart, Louise Francis, Mike Watson

Design: Sean Coleman



Check out wildlifetrusts org/privacy-policy to find out how we keep your information safe



What's Wildlife Watch?

Wildlife Watch is the junior branch of The Wildlife Trusts. Join Wildlife Watch and start range from £10-£24 per year for child-only membership and full of wild ideas and nature-spotting tips. Pl

packed full of amazing pictures posters and competitions We also have a really wild



The Scie Nce Section

Always wondered what that weird-sounding word meant or desperate to know what the latest wonderful wildlife discovery is? Well, here we bring you a fact-packed science section so you can impress your friends with your knowledge!

WILD WORDS

Wow your friends with new words from the world of wildlife science!

EXUVIA

The skin or covering left behind after an animal has shed it. Young dragonflies leave an exuvia when they become adults.

NYMPH

(nimf)
The name for the young life stages of an insect that doesn't change completely as it grows.
Grasshoppers have nymphs, as they look like little versions of the adult.

IMAGO

The scientific name for an adult insect.

RECENT DISCOVERIES

THE PROOF IS IN THE PAWS

id you know lynx used to live in Britain?

They are elusive animals that can be quite hard to study. But scientists have found a new way to get information about them.

The scientists collected snow from the pawprints left behind by lynx in Sweden. They melted the snow and managed to get some lynx DNA out of it. By studying the DNA, they could identify the individual lynx that made the pawprint! This new trick could help us learn much more about lynx, like how many lynx are in an area – just from studying pawprints!



SPACE WEATHER AND BIRDS

e know that migrating birds use the Earth's magnetic field to help them find their way on long journeys. But what if something happens to that magnetic field? Space weather, such as solar flares, can cause changes in the magnetic field. Scientists in America have found that this can create problems for birds that migrate at night. On nights with very strong space weather events, they recorded fewer birds migrating. The birds that did migrate seemed to have more trouble staying on the right track.

MOUR O PHOHOS

Keep sharing your amazing photos with us, we love to see them all!



SUMMER-JOY (aged 12) took this stunning portrait of a grey seal on a visit to a coastal colony, where seals come right up to the viewpoint. Most seals aren't this confident – so if you see one on a beach make sure to give it plenty of space and try not to get too close.



BOBBY (aged 9) shared this wonderful photo of a common darter. It's never easy to get a shot of a dragonfly, so great job Bobby!



ABIGAIL (aged 9) spotted this small tortoiseshell butterfly in her garden, along with holly blues, peacocks, and red admirals. What a fantastic photo! It's really sharp and the colours are gorgeous.



LIAM (aged 12) was quick enough to snap this shot of a skulking water rail at Askham Bog in York. You can often hear water rails squealing in the reeds, but seeing them takes a lot of patience and a bit of luck!



Send your stories, ideas, and photos to watch@wildlifetrusts.org!

Dabbling in duck migration

his spring, Illumination, creators of Minions, invites you to take flight into the thrill of the unknown with a funny, feathered family vacation like no other in the action-packed new original feature-

The Mallard family is in a bit of a rut. While dad Mack is content to keep his family safe in their New England pond forever, mum Pam is eager to shake things up and show their kids – Dax and Gwen – and their curmudgeonly Uncle Dan the world beyond the pond. After a migrating duck family alights on their pond with thrilling tales of far-flung places, Pam persuades Mack to embark on a family trip, via New York

City, to tropical Jamaica. But what about the mallards in the UK – do they make incredible journeys and see the wide world, too?

ILLUMINATION *******

MIGRATION

Only In Cinemas

Download your duck-themed activity pack at ifewatch.org.uk/



MARARAM STEER TESTM

T ave you seen a mallard lately? They're our most familiar duck, found on ponds and lakes across the UK. Males have a shiny green head that shimmers in the sunlight. Females are brown and streaky. This helps them stay hidden when they're sitting on their eggs, which are often laid in a nest on the ground. Males don't help out with the

known mallard lived for more than 20 years.

parenting duties, so they don't have to worry about blending in just showing off to females!

MATTARD MIGRATION

Tn the UK, you can see a mallard at any time of year. The birds that nest in our parks like to stay put; most don't wander far in winter. Because our winters are quite mild, they can find plenty of food and so don't need to leave. If we get really cold spells and lakes freeze over, they might fly a few miles to find a non-frozen lake. A few of our mallards can be a little more adventurous and fly south into continental Europe.

But some of the mallards you see in winter and early spring are different - they're travellers! Our mild winters attract mallards from many other countries. Thousands migrate here each autumn to stay for the winter. As spring arrives, they'll be making long journeys back to their nesting areas. They may be heading to Iceland, Russia, Finland or other parts Europe.



allards can be found all over the world. They nest across Europe and Asia, from the UK to Japan, as well as in North America. In autumn, mallards from some northern countries head south for the winter. Mallards have also been spread even further around the world by people, who introduced them to countries where they aren't naturally found. This includes Australia, New Zealand and South Africa.

DUCK DEPARTURES

allards aren't the only ducks that will be stretching their wings this spring. Hundreds of thousands of wildfowl spend the winter in the UK, before heading back to their breeding grounds for the summer. This includes lots of ducks like wigeons, teals, pochards and pintails. They come from similar countries to our visiting mallards, particularly northern and eastern Europe.

Whilst lots of ducks are leaving in spring, one species is just arriving! The garganey is the only duck that migrates to the UK for the summer. There are around 100 pairs that nest here. They leave again in autumn and spend the winter in Africa.





© UNIVERSAL CITY STUDIOS LLC. ALL RIGHTS RESERVED

Wildlife Watch Magazine • Spring 2024





Pseudoscorpions (pronounced soopseudoscorpions do-scorpions) are not scorpions at by scouring leaf litter all – they have no stinging tail. They are an arachnid though, in the same family as scorpions and spiders. Many pseudoscorpions live in temporary places such as rotting leaves and logs, so they need to be able to travel to find a new home. But when you're only 4mm long, even travelling the length of an average garden is a tricky business!

Luckily, their tiny size doesn't hold pseudoscorpions back. They will attach themselves to larger animals to hitch a ride! They cling on to flying species, such as flies, beetles, butterflies and even bats, which unwittingly transport them to a new location.

You can find

in gardens and

beetles can

sometimes carry

as many as 40

mites!

MOUNTED MITES

Pseudoscorpions aren't the only arachnids that need a taxi. Poecilochirus mites depend on carrion (dead animal carcasses) to reproduce, but their miniscule size makes it difficult to travel to find the next dead creature. Bring on the burying beetle, a striking orange and black beetle that also needs carrion to survive – the perfect flying ride for a Burying Poecilochirus mite!

Mites clamber on to a beetle, hitch a ride to a new carcass, then scurry off and feed and breed on it alongside the beetle. Then the next generation of mites get on board and the process starts all over again! **BEE-RIDING BEETLES**

There are

five species of

are the most

The big-bottomed oil beetle has one of the most amazing lifecycles of any insect in the UK! Female oil beetles lay hundreds of eggs in burrows they've dug in the ground. Once the oil beetle larvae (called 'triungulins') have hatched, they need to be transported to the nest of a female solitary bee to survive.

The triungulins climb onto flowers and wait for an unsuspecting bee to arrive, so they can jump

Alex is known to her family as the bug queen. She loves finding nsects, including playing hide and seek with furrow bees in her garden lawn and filming hunting

uby-tailed waspsi

The triungulins cling to the bee with their oil beetle in the UK. hooked feet. When the bee returns to its The violet oil beetle underground nest, the triungulins jump off and black oil beetle to gorge on bee eggs, pollen and nectar. They develop into an oil beetle in the bee burrow and emerge in the following spring!

PLANT PASSENGERS

Lots of plant seeds hitch a ride to reach new areas where they can grow, like greater burdock. It has sticky seedheads that attach themselves to our clothing (or our hair – ouch!) as we walk through wild spaces. For this reason, it has many nicknames such as 'sticklebacks', 'sticky Jack' and 'sticky bobs'. These hooked seedheads help the plant disperse its seeds by attaching themselves to the fur of passing animals.

Greater burdock is a tall plant, mainly found in central and southern England. It has thistle-like flower heads (very attractive to insects) which eventually turn into the familiar sticky burrs with their large hooks!

Velcro was inspired by a burr-shaped seedhead just like this one.





Nature is a great big, complicated web of life! Everything is connected. All living things play a role in keeping wild places healthy and balanced. Each issue, we'll take a look at how different plants or animals affect the wild world around them.



MOTHS AND BUTTERFILES



FLYING FOOD

It's not just the caterpillars that are an important food supply. Lots of animals eat adult butterflies and moths, from birds to spiders. Bats and nightjars are skilled at catching moths in the dark. Scientists studying one population of nightjars found that moths made up 65% of their diet – so without many moths Blue tits in the UK are around they'd be pretty hungry!

POLLINATOR POWER

Moths and butterflies are excellent pollinators. They spread pollen from flower to flower, helping plants to grow fruits, reproduce and create new plants. In a recent study, scientists found that moths may be better at pollinating than dayflying insects like bees! Without pollinators, plants would struggle to reproduce and we wouldn't be able to get food from them.



HAPPY HUMANS

We're a part of the wild world too! Moths and caterpillars help create our food

through pollination, but they also help us in other ways. Do you smile when you see a beautiful butterfly? Spending time in nature is good for us, and lots of people go out looking for butterflies and moths. Because butterflies are so popular, many people try to make their gardens more welcoming for them. This helps lots of other wildlife, too.

CATERPILLAR CATCHERS

The caterpillars of moths and butterflies are a vital food source for other animals, particularly birds. Many species, like blue tits thought to eat 50 and great tits, rely on them to feed their chicks. They even time their nesting season so that their eggs hatch when there are lots of caterpillars around. Adult cuckoos specialise in eating hairy caterpillars. But some of our hairy caterpillars are getting rarer. It's thought that this is part of the reason why there are now fewer cuckoos, too.













Izzy is The Bay project's trainee and helps connect people around Barrow-in-Furness with nature. They love all wildlife and enjoy filming as much as they can!

MALI BUTY CHILLY

Size isn't everything in the animal kingdom. Tiny creatures can punch above their weight in strength, noise or their impact on the world.

he wren is a tiny brown bird found in many different habitats across the UK. Weighing around the same as a £1 coin, with a wingspan of 13 to 17 centimetres, the wren is one of the UK's smallest birds. But for its size, it has a remarkably loud voice. Relative to its weight, the wren sings ten times louder than a cockerel!



ANTS

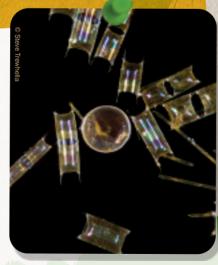
UK, ants typically emerge in early March and go back underground in November. Ants are famous for their strength they can lift ten times their own body weight!

very little muscle power is required to hold up their small and light body, leaving plenty of strength to lift heavy objects. If ants were bigger, they wouldn't be as strong for their size because they

would be heavier!

PLANKTON

hytoplankton are microscopic, single-celled, plant-like organisms that live in the topmost layer of the ocean, where sunlight is plentiful. These tiny organisms form the bottom of the entire oceanic food web and are crucial for life on earth! They turn sunlight into energy by photosynthesis, just like many plants do. They



are then eaten by larger zooplankton (animal plankton), which are in turn eaten by fish and even ocean giants like the blue whale!

WEASEL

easels are the world's smallest carnivore! You can find them in lots of different habitats in the UK including moorland, grassland and woodland. They have an incredibly powerful bite. Relative to its size,

stronger bite force than tigers, lions and all the bears. In fact, among living carnivorous mammals, the weasel's bite is second only to the Tasmanian devil, which is adapted to crushing bones.



MANTIS SHRIMP

are known for their powerful punch. The peacock mantis shrimp springs out its club-like claws 50 times faster than the blink of an eye and is strong enough to break glass. Although this species is found in the shallows of the Indian and Pacific Ocean, two species of mantis shrimp can be found in waters around the south coast of the UK.

These mantis shrimp have spears instead of clubs and are a little slower, but still fast enough to stab passing prey.

MOSQUITO

are flies found almost everywhere except cold Antarctica. They are only around half a centimetre in length but have a huge impact on animals, including humans, in many parts of the world by transmitting deadly diseases. The silver lining is that clouds of mosquitos form a reliable food source for thousands of animals in both air and water.



LESSER WEEVER FISH

esser weever fish are common in sandy and muddy seabeds all around the UK. They are one of the few

venomous fish to be found in the UK! They spend most of their lives buried in the sand, but when disturbed they raise a row of venomous spines along their back, delivering a painful sting! Impressive for a fish that is only 15 cm long.









COMMON FROGHOPPER

froghopper

is a small

insect that looks a bit

like a leaf. Their larvae

produce the "cuckoo-

spit" you find on a wide

range of plants across

the UK. For their size,

they are the world's

highest jumping animal.

They can jump over 100

times their body length!

jumping over two Big Ben towers stacked on top of

That's like a human

each other.

or spittlebug



1) Haircap moss by Elinor, aged 8
We love that Elinor has chosen to draw a species that's easily overlooked – and done such a great job!

2) Robin by Daisy, aged 11

This is such a cheery robin! It's lovely to see signs of spring, with leaves on the twias.

3) Fox by Beth, aged 10

Beth has really brought this fox to life with some great splashes of colour.

4) Woodland cake by Alice, aged 9

We don't see many wild cakes, so we were really impressed by this forest-themed bake.

5) Fungi by Lara, aged 12

What a wonderful use of colour to frame these fantastic fly agarics!

6) Shark by Nicholas, aged 9

Nicholas has given us a glimpse beneath the waves with this superb shark.

7) Bee by Maria, aged 8

Maria has perfectly captured this bee, from the antennae to the black and yellow stripes.

8) Heron by Isabel, aged 10

The posture of this heron is perfect – it's really hard to draw a neck like that!

9) Pine marten by Sylvie, aged 10

Sylvie's artwork shows just how good pine martens are at climbing.

10) Mouse by William, aged 8

Look at the ears on this adorable mouse! Great photo, William.

11) Garden collage by Oscar, aged 4

Oscar has been really creative as he produced this garden scene.

12) Owl by Josephine, aged 8
We love how much personality this owl has! It's named Flocon after the French

If we feature your artwork we will need your first name and your age, so don't forget to include them. We might also share it on our website and social media.

Email watch@wildlifetrusts.org with the subject line 'Gallery entry' or write to us at: Wildlife Watch Gallery The Wildlife Trusts

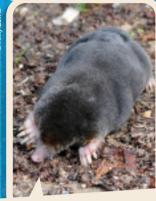
The Kiln, Mather Road

s grow long all it back in Octob

NATURE

MOND

THIS ISSUE: WEIRD NOSES



Moles have a nose for worms, with a strong sense of smell for sniffing out food in the soil. But those long noses have another trick! The skin in a mole's snout contains special sense organs, called Eimer's organs. They improve the mole's sense of touch and help it feel its surroundings.

GANNET

GREATER HORSESHOE BAT



These bizarre-looking bats are named after their horseshoeshaped nose. It might look weird, but it's not to be sniffed at as it helps them hunt! The shape helps focus the bat's echolocation calls to find moths and flying beetles in the dark.

ACORN WEEVII

Weevils are a type of beetle

famous for their super-sized snout, which scientists call a

'rostrum'. It's not technically

a nose, as it has mouthparts

at the end of it. Female acorn

weevils have an extra-long

rostrum. They use it to drill

holes in acorns, so they can

lay eggs inside of them.



Just like us, sharks have two nostrils. But unlike us, they don't use them for breathing - they're purely for smelling. Sharks have lots of amazing senses, including a strong sense of smell. It seems to be most powerful in sharks that live in the open ocean, or travel

BLUE SHARK

long distances like the blue shark.

BEE-FLY



Bee-flies look like they're flying around with a sword for a nose! This is actually a tongue-like mouthpart, known as a proboscis. They use it to feed on nectar from flowers. You can see dark-edged bee-flies in early spring. When they aren't whizzing from flower to flower or sunbathing, flick their eggs into.



Shrews are easily recognised by their long, pointy snouts. Unsurprisingly, with a nose like that, they have a strong sense of smell. But shrews may have another trick for finding their way around. Some scientists think they use high-pitched calls for a rough form of echolocation.

DARK-EDGED



they hunt for bee nests they can

BOTTLENOSE DOLPHIN



Did you know dolphins and other toothed whales talk with their nose? They make sounds by pushing air through special folds in their nasal passages, similar to the way humans speak by pushing air over our vocal cords.

COMMON SHREW



2

farmland

.5

banks are used i

You will need

Stones or garden hose

Beetle banks are use – but you can build o they're valuable to f

Once you have created your mound, sow your seed and firm it down with the back of a rake. If using turf, lay this over the mound and firm down. habitat, invertebrates and sunny t insect diversity and !! Adding both shady o and Adding born Lame for lots of it 4 a home one in your own garden! flat gardens, providing a

) Pick a sunny spot for your beetle bank (ideally around Im L

long) and

lines using



bank watered ather. On seeded

your

a

in dry banks,

down after Spread the topsoil evenly inside the treading v each 10-7

Spade

und until it gh and wide. or rounded. Keep building a mound untilis at least 30cm high and w The top can be flat or roun compact the soil.







Grass seed or wildflower meadow seed (with 80% gras or turf

ww.wildaboutgardens.org

Wildlife Watch Magazine • Spring 2024

they can close whilst diving.

When you plunge face first into

the sea at 50mph, you need a

pretty tough nose. Most birds

have nostrils on top of their

beak, but gannet nostrils are

fused shut to stop water rushing

in when they dive. Instead, they

use a second pair of nostrils in

the corner of the mouth, which





their songs, but these are three of the absolute masters!



If it's variety you're after, it's hard to beat a starling! Tawny owl, buzzard, pheasant, curlew, lapwing...it can imitate them all! But it's not just other birds that are copied - a starling's song might also include the sounds of car alarms, miaowing cats and even crying babies!



These little brown birds spend the winter in Africa. They return to Europe in late spring to breed, but only a few pairs fly back to the UK. Their loud and rapid songs include the sounds of African birds the warblers have heard on their holidays, such as hornbills, puffbacks and helmet-shrikes!



This summer visitor to the UK is one of the quickest copycats around. A study of its song showed that this speedy species can mimic more than 50 different birds in under an hour!

DID YOU KNOW?

Both starlings and

recorded mimicking

jays have been

human voices!

SOUND COLLECTORS

Listen to the song of a starling. Can you make out the calls of any other birds in its performance?

The famous composer,

and mimic melodies!

Mozart, had a pet starling.

He trained it to copy tunes

species that live in the same area as them. They learn

them to their own playlists. They will also mimic more unusual sounds from their surroundings, including

these different tunes and sometimes add parts of

animal calls and all sorts of man-made noises!

The croaking call of a pheasant,

the high-pitched cry

everal species of bird in the UK

can copy the calls and sound<mark>s</mark>

then include samples of these

made by other birds. They



Derbyshire Wildlife Trust for the past 25 years and has a passion for wildflowers. He helps protect wild places

DISCOVER THE TRENDSETTERS THAT TRANSFORM THEIR WORLD!

PIONEER PIANIS

WILD CHANGES

Plants grow together in different 'communities' and sometimes these change over time, such as when a grassy area eventually becomes a forest. This process is called succession. In some cases, succession will start with bare ground and end with trees. In other places, the conditions may not be right for trees, so grasses, flowers and smaller shrubs may take over!

LEADING THE WAY

Then you start with bare ground, like in young sand dunes or abandoned building sites, you need some special plants to get things moving. The first plants to take advantage of bare ground are called pioneers. They are plants that produce lots of seeds that are spread by wind, water, or animals. This helps them get around and find new places to grow.

Pioneer plants grow quickly and often live for just one year. By being first they do not have to compete with other plants to find enough food, light, and space. In time, however, more competitive and long-lived plants start to appear. The conditions change, becoming less favourable to the pioneer plants and the plant community changes too.



Let's take a LOOK at the some of the pioneer plants in different wild places!



Sand couch-grass

ioneer species such as sand coucharass and sea rocket are amongst the first plants to colonise newly forming sand dunes. Their thick waxy leaves and rolled stems help them cope with the very salty and windy conditions. Their roots help make the dunes more solid, forming

barriers to the wind, which

allows more sand to build

up and other plants to grow.



ea kale is a type of cabbage and is a pioneer on shingle beaches. It has lots of adaptations to help it thrive in this tricky habitat, including thick, waxy grey-green leaves that reduce water loss. It also has a deep root (up to two metres) that helps it reach the freshwater far below the ground. Its large seeds float, which helps them spread in the sea to reach new areas of beach. Various flea beetles, weevils and white butterflies feed on this plant.



Glassworts

lassworts (there are many similar __species) can tolerate very salty conditions. They grow in saltmarshes, preferring areas with plenty of mud. They form part of a pioneer plant community that makes the mud more stable, making it easier for other plants to grow there too. Glassworts are also an important source of food for birds and some moth caterpillars.



Bird's-foot-trefoil

ommon bird's-foot-trefoil is a small, yellow-flowered pea that is found across the British Isles. It is often one of the first plants to grow in former quarries and in bare, rocky habitats. Over time, this plant makes the soil richer by adding nutrients. This helps it to grow, but also allows other plants to gain a foothold. It is an important source of nectar for mining bees and a

foodplant for the caterpillars of common

blue and dingy skipper butterflies.



Silver birch

ilver birch is a deciduous tree that can colonise bare ground. It is often one of the first trees to appear in old quarries, abandoned building sites and forest clearings. It produces lots of seeds that can travel long distances on the wind. It has a short life for a tree, but once established it can carry on for many generations. Once silver birch is tall enough, it will be used by birds for feeding and nesting.

eaten by people as welli

FEATURE CREATURE





ophia is a Bangor Jniversity student, on placement with North Vales Wildlife Trust's narine team and is also a lover of grey seals!



hannies are one of nature's hoovers. They'll eat almost anything they can get their hands (or fins!) on, from seaweed to fresh shrimp. You might find them hard to spot when they're lying still, because their amazina camouflage lets them blend in with the rocks around them. This helps them catch their food, as their prey can hardly see them coming. But it also works to hide them from bigger fish and other animals that might want to eat them. Clever, hey?

COASTAL COLOURS

f you think you need to go to a tropical island to see colourchanging fish, you'd be wrong. The shanny can do it too! In the breeding season, the male shanny changes from his usual brown patchy colours to a deep black like the night sky, and his lips turn bright white. You can see these fantastic fish all around the British Isles. Your best chance is to have a good look in some rockpools—be careful, though, as shannies can bite!

ROCKPOOL RESIDENT

hat's hiding beneath the surface in the UK's rockpools? If you've ever spotted a feisty little brown fish, it may just be the shanny! Otherwise known as the common blenny, this little fish prefers shallow water and loves to hide among rocks on the shore when the tide goes out. But what do they do if they can't find a rockpool in time?

SHORE TO SURVIVE

hannies have the marvellous superpower of surviving in any little crack or crevice in the rocks, biding their time until the water returns. As long as their hidey hole is damp and sheltered from the wind and sun, they can stay there for hours. These hardy fish are born survivors They're sometimes known as "sea frogs" because of this skill – and if you startle them, they might leap back into the water just like a frog does.



Scientific name

Lipophrys pholis

Size

Up to 17cm

Amazina fact

Male shannies guard the eggs once laid keeping them safe from hungry predators for over a month!







WHAT ARE TIDES?

Have you ever been to the seaside and noticed that sometimes the sea is close to the top of the beach, and sometimes it's far away? The ocean is constantly moving and the rise and fall of sea levels is known as a tide. The sea level moves

The difference

between its highest point (high tide) and its lowest point (low tide). This change is called a tidal cycle.

is known as the Depending on where you are in the world, the number of tidal cycles per day can vary. In the UK, it is very normal for us to experience two tidal cycles in one day - two high tides and two low tides. However, other places in the world may only have one tidal cycle per day.

> When the moon is here, we get

MOON-TOUCHED

Tides are caused by the moon! More importantly, the pull of the moon's gravity. The moon pulls the ocean The Bristol slightly towards it and creates a Channel has one bulge in the water. This bulge of the highest tidal is what causes the high tide. ranges in the world at 12-14 metres! Because it is pulling water from other parts of the world, they in height between high tide and low tide will experience a low tide. The earth rotates, which means the bulge of water caused by the moon will move across the earth. This is why we experience a rise and fall in the sea level at different times in the day.

a spring tide, the high tides are extra high and the low tides are extra low. If the moon and sun are not in line

and are at right angles to the earth, their gravitational pulls cancel each other out slightly. As a result, we only get a small bulge of water. This creates a smaller tide called a 'neap tide', where there is a much smaller difference between high tide and low tide.

But the moon is not the only thing pulling

on the earth! The sun has a

gravitational pull, which affects

tides too. If the moon, the

earth and the sun are all

lined up, the gravitational

combine to create an even

bigger bulge in ocean water.

This creates an unusually large

tide, which we call a 'spring tide'. In

pulls from the moon and sun

SUN

22 Wildlife Watch Magazine • Spring 2024 Wildlife Watch Magazine • Spring 2024 25

COMPETITIONS

WIN SMALL, SPECKLED EGG

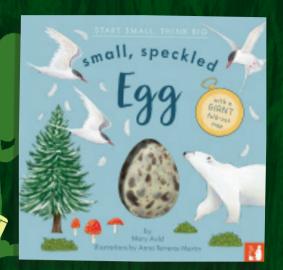
his beautiful, fact-filled picture book follows the life cycle of an Arctic tern. It starts with a small, speckled egg and builds to the bird's incredible journey to Antarctica. The book also includes a fold-out map with a fun I-Spy game.



Buy online at mamamakesbooks.com RRP: £10.99

FOR YOUR CHANCE TO WIN

Draw an egg. It could be the egg of a real animal, or a super-colourful one from your imagination!



BOXES

ring bees to your garden with this colourful set of three seed boxes from Seedball. Each box contains a different bee-friendly wildflower mix. Just scatter the seedballs on some soil and let nature do the rest! The colourful flowers will be great for lots of other wildlife, too.



We've got FOUR sets to give away!

Buy online at seedball.co.uk RRP: £9.00

FOR YOUR CHANCE TO WIN:

Tell us which of these pioneer plants grows on saltmarshes: a) Silver birch b) Glassworts c) Bird's-foot-trefoil

WIN

INTERVIEW WITH A SHARK

Interview & Other Ocedn Giants Too

f you could talk to animals, what would you ask? The Interview with... series by Andy Seed and Nick East is a set of funny fact books where animals do the talking, with Q&A interviews, illustrations and bite-size info! In this

book, you can meet a shark – but other books in the series let you meet a tiger, kangaroo or panda!

We've got **FOUR** copies to give away!

Buy online at wtru.st/interview-shark RRP: £9.99

FOR YOUR CHANCE TO WIN:

Tell us what question you would most like to ask a shark!



If you're sending multiple entries, please try to put them in one email to save energy!

COMPETITION RULES

Send your competition entries to us: By email watchcomps@wildlifetrusts.org By post Wildlife Watch, The Kiln, Mather Road, Newark, Nottinghamshire NG24 1WT Don't forget to include your name, age and a way of contacting you about your entry! **DEADLINE: 31 May 2024**